

Amendments to the Claims:

Please cancel claims 1-49 presented in the underlying International Application No. PCT/DE2004/001253 without prejudice, and add new claims 50-88 as shown in the listing of claims.

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-49 (canceled)

Claim 50 (new): A method for carrying out a hands-free communication using a telecommunication terminal, the method comprising:

loading, at least temporarily, at least one program from a service server into the telecommunication terminal, the at least one program being configured to implement a speech processing algorithm; and

implementing the at least one program for use at least for a duration of a communication connection.

Claim 51 (new): The method as recited in claim 50 wherein the telecommunication terminal is a mobile telecommunication terminal.

Claim 52 (new): The method as recited in claim 50 wherein the speech processing algorithm includes at least one of a hands-free, an echo cancellation, a speaker verification, a speaker recognition, a speaker classification, a voice verification, a voice recognition, a text-to-speech and a noise reduction algorithm.

Claim 53 (new): The method as recited in claim 50 further comprising establishing, over at least one communication network, a connection between the telecommunication terminal and a server-based speech recognition system.

Claim 54 (new): The method as recited in claim 50 further comprising establishing a connection to the service server over at least one communication network so as to facilitate the loading.

Claim 55 (new): The method as recited in claim 54 wherein the connection is established via an interposed server-based speech recognition system.

Claim 56 (new): The method as recited in claim 54 wherein the connection is established between the service server and the telecommunication terminal in response to an automatic or user-defined request signal by the telecommunication terminal.

Claim 57 (new): The method as recited in claim 54 wherein the connection is established between the service server and the telecommunication terminal in response to a request signal of a server-based speech recognition system.

Claim 58 (new): The method as recited in claim 54 wherein the establishing the connection is performed using respectively assigned identifiers.

Claim 59 (new): The method as recited in claim 58 wherein the respectively assigned identifiers include at least one of a CLI, an ANI and an HLR.

Claim 60 (new): The method as recited in claim 50 further comprising transmitting speech signals and further signals during the communication connection.

Claim 61 (new): The method as recited in claim 60 wherein the further signals include at least one of test signals, compensation signals, charging signals, identification parameters, and vector signals.

Claim 62 (new): The method as recited in claim 50 further comprising selecting the speech processing algorithm using at least one of the telecommunication terminal, a speech recognition system, and the service server.

Claim 63 (new): The method as recited in claim 50 further comprising loading the at least one program again during the communication connection.

Claim 64 (new): The method as recited in claim 63 wherein the loading again is performed in an updating manner.

Claim 65 (new): The method as recited in claim 50 further comprising transmitting, by the telecommunication terminal, at least one of a specific identification parameter and a charging

parameter for further processing by a device associated with at least one of a speech recognition system and the service server.

Claim 66 (new): The method as recited in claim 50 further comprising calibrating, by the telecommunication terminal, at least one of an A/D conversion and a D/A conversion.

Claim 67 (new): The method as recited in claim 66 wherein the calibrating is performed at least one of once during the communication connection, continuously, and digitally.

Claim 68 (new): The method as recited in claim 66 wherein the calibrating is performed using a compensation signal, the compensation signal being at least one of a speech signal and a test signal.

Claim 69 (new): The method as recited in claim 67 further comprising performing a procedure for locating a speech source.

Claim 70 (new): The method as recited in claim 69 wherein the performing the procedure for locating the speech source is performed for a multi-channel processing of at least two microphone signals.

Claim 71 (new): The method as recited in claim 69 wherein the performing the procedure for locating the speech source is performed so as to achieve a noise reduction.

Claim 72 (new): A system for providing hands-free communication for at least one telecommunication terminal, the system comprising a service server configured to:
provide at least one program for implementing a speech processing algorithm; and
transmit, in response to a defined request signal, the at least one program to the at least one telecommunication terminal for at least temporary implementation of the at least one program.

Claim 73 (new): The system as recited in claim 72 wherein the at least one telecommunication terminal includes a mobile telecommunication terminal.

Claim 74 (new): The system as recited in claim 72 wherein the speech processing algorithm includes at least one of a hands-free, an echo cancellation, a speaker verification, a speaker recognition, a speaker classification, a voice verification, a voice recognition, a text-to-speech and a noise reduction algorithm.

Claim 75 (new): The system as recited in claim 72 further comprising at least one of a server-based speech recognition system, a charging system and a billing system.

Claim 76 (new): The system as recited in claim 72 wherein the service server is provided by a WEB server, and further comprising at least one of a server-based speech recognition system, a charging and a billing system provided by the WEB server.

Claim 77 (new): The system as recited in claim 75 wherein the service server is configured to communicate with at least one of the at least one telecommunication terminal, the

server-based speech recognition system, the charging system and the billing system over a communications connection established using respectively assigned identifiers.

Claim 78 (new): The system as recited in claim 72 further comprising a server-based speech recognition system configured to enable the at least one program to be selected and at least temporarily loaded and implemented on the at least one telecommunication terminal in response to identification parameters associated with the at least one telecommunication terminal.

Claim 79 (new): The system as recited in claim 72 wherein the service server is configured to enable the at least one program to be selected and at least temporarily loaded and implemented on the at least one telecommunication terminal in response to identification parameters associated with the at least one telecommunication terminal.

Claim 80 (new): The system as recited in claim 72 further comprising a server-based speech recognition system and at least one of a charging system and a billing system configured to charge, in response to at least one of an identification and a charging parameter associated with the at least one telecommunication terminal, for a service at least temporarily provided by a server-based speech recognition system to the at least one telecommunication terminal.

Claim 81 (new): The system as recited in claim 72 further comprising at least one of a charging system and a billing system configured to charge, in response to at least one of an identification and a charging parameter associated with the at least one telecommunication terminal, for the at least temporary implementation of the at least one program.

Claim 82 (new): A telecommunication terminal comprising a receiver configured to receive at least one program for implementing a speech processing algorithm transmitted, in response to a defined request signal, from a service server for at least temporary implementation of the at least one program.

Claim 83 (new): The telecommunication terminal as recited in claim 82 wherein the speech processing algorithm includes at least one of a hands-free, an echo cancellation, a speaker verification, a speaker recognition, a speaker classification, a voice verification, a voice recognition, a text-to-speech and a noise reduction algorithm.

Claim 84 (new): The telecommunication terminal as recited in claim 82 further comprising:
an A/D converter;
a D/A converter; and
a calibration device configured to at least one of calibrate the A/D and D/A converters and perform a digital calibration.

Claim 85 (new): The telecommunication terminal as recited in claim 84 wherein the calibration device is configured to calibration automatically using at least one of a speech signal and a test signal as the compensation signal.

Claim 86 (new): The telecommunication terminal as recited in claim 82 further comprising an encoder unit.

Claim 87 (new): The telecommunication terminal as recited in claim 82 further comprising a conversion device configured to convert a speech signal between different frequency bands.

Claim 88 (new): The telecommunication terminal as recited in claim 82 further comprising an interface device configured for at least one of wired and wireless connection of at least one of an external microphone and a loudspeaker.